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CR-137062

REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER  
EREP PROJECT 108

February 1974  
Contract Number T-4713-B

(E74-10368) REMOTE SENSING OF OCEAN  
CURRENT BOUNDARY LAYER Monthly Report,  
Feb. 1974 (National Oceanic and  
Atmospheric Administration) 3 p HC \$4.00

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Unclass

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Principle Investigations Management Office  
Lyndon B. Johnson Space Center

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National Oceanic & Atmospheric Administration  
Atlantic Oceanographic & Meteorological Laboratories

MONTHLY REPORT



**U.S. DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
ENVIRONMENTAL RESEARCH LABORATORIES

ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LABORATORIES  
15 RICKENBACKER CAUSEWAY, VIRGINIA KEY  
MIAMI, FLORIDA 33149

Date : 18 March 1974

To : Distribution List

From : George A. Maul

Subject: Monthly Progress Report, T-4713-B

This is the eighth report on project EREP 108, and it covers the month of February 1974.

Aircraft photographs from the 8 January 1974 satellite/ aircraft/ship experiment have started to be received. Smooth plotting of the ship track is complete and analysis of the chlorophyll-a data has begun. Nutrient analysis for  $PO_4$ ,  $NO_3$ ,  $NO_2$  and  $SiO_2$  is complete and the data are being plotted. Dr. Baig is scaling the spectral irradiance data for computer input formatting and has been reconfiguring the instrument for use on the R/V RESEARCHER. Dr. Gordon is continuing his theoretical studies using the Monte Carlo code for light scattering in the sea. Reading and noting on the crew transcripts is now complete in preparation for debriefing on 19 March.

Recipients of the financial report are marked by an asterisk on the attached distribution list.

## APPENDIX "A"

MONTHLY  
CONTRACTOR FINANCIAL MANAGEMENT REPORT

Contract Number NAS 9-T-4713-B

Contractor: DOC/NOAA/AOML  
15 Rickenbacker Causeway  
Miami, Florida 33149

Total Estimated Cost: \$ 73,000Task Description: Remote Sensing of Ocean Current Boundary LayerPrepared By: George A. Maul, P.I. Date: 8-3-74

	MOST RECENT Month	CUMULATIVE TO DATE	ESTIMATED TOTAL
<b>HOURS</b>			
Investigator	<u>40</u>	<u>320</u>	<u>1560</u>
Other	<u>40</u>	<u>320</u>	<u>2080</u>
Total	<u>80</u>	<u>640</u>	<u>3640</u>
<b>COSTS</b>			
Labor	<u>1617</u>	<u>12,936</u>	<u>35000</u>
Material	<u>0</u>	<u>0</u>	<u>1000</u>
Data Processing	<u>100</u>	<u>800</u>	<u>12000</u>
Travel	<u>0</u>	<u>250</u>	<u>2000</u>
Equipment Rental	<u>0</u>	<u>0</u>	<u>3000</u>
Equipment Purchase	<u>0</u>	<u>0</u>	<u>0</u>
All Other	<u>1300</u>	<u>10,400</u>	<u>20000</u>
Total	<u>3017</u>	<u>24,386</u>	<u>73000</u>